

Amendments to the Claims:

Please cancel claims 1-23. This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-23 (Canceled)

24. (New) A method of making a plant producing seeds, said method comprising the steps of crossing one or more plants of a first plant line with one or more plants of a second plant line and selecting one or more progeny plants of said cross that produce seeds having a long chain monounsaturated fatty acid content of at least about 82% and a erucic acid content of at least about 15% based on total fatty acid composition, wherein seeds of said first plant line have a erucic acid content of at least about 45% based on total fatty acid composition and seeds of said second plant line have an oleic acid content of at least about 84% based on total fatty acid composition.

25. (New) The method of claim 24, wherein said one or more plants of said first and second plant lines are *Brassica* plants.

26. (New) The method of claim 25, wherein said one or more plants of said first plant line are *Brassica napus* plants.

27. (New) The method of claim 25, wherein said one or more plants of said second plant line are *Brassica napus* plants.

28. (New) The method of claim 25, wherein said one or more plants of said first plant line are *Brassica rapa* plants.

29. (New) The method of claim 25, wherein said one or more plants of said second plant line are *Brassica rapa* plants.

30. (New) The method of claim 25, wherein said one or more plants of said first plant line are *Brassica juncea* plants.

31. (New) The method of claim 25, wherein said one or more plants of said second plant line are *Brassica juncea* plants.

32. (New) The method of claim 24, wherein said one or more progeny plants produce seeds having an oleic acid content of at least about 37% based on total fatty acid composition.

33. (New) The method of claim 32, wherein said one or more progeny plants produce seeds having an oleic acid content of at least about 42% based on total fatty acid composition.

34. (New) The method of claim 33, wherein said one or more progeny plants produce seeds having an oleic acid content from about 47% to about 56% based on total fatty acid composition.

35. (New) The method of claim 24, wherein said one or more progeny plants produce seeds having an eicosenoic acid content of at least about 14% based on total fatty acid composition.

36. (New) The method of claim 35, wherein said one or more progeny plants produce seeds having an eicosenoic acid content from about 15% to about 21% based on total fatty acid composition.

37. (New) The method of claim 24, wherein said monounsaturated fatty acid content of said progeny plant seeds is from about 85% to about 90%.

38. (New) The method of claim 24, wherein said erucic acid composition of said progeny plant seeds is from about 17% to about 31% based on total fatty acid composition.

39. (New) The method of claim 24, wherein said one or more progeny plants produce seeds having a saturated fatty acid content of less than about 7% based on total fatty acid composition.

40. (New) The method of claim 24, wherein said one or more progeny plants produce seeds having a polyunsaturated fatty acid content of less than about 11% based on total fatty acid composition.

41. (New) The method of claim 24, wherein one or more progeny plants have a mutation in the nucleotide sequence of an oleic acid desaturase gene, and wherein said mutation renders the activity of the encoded gene product non-functional.

42. (New) The method of claim 24, wherein said one or more progeny plants have a mutation in the nucleotide sequence of an linoleic acid desaturase gene, and wherein said mutation renders the activity of the encoded gene product non-functional.

43. (New) The method of claim 24, wherein said one or more progeny plants have a transgene comprising a promoter operably linked to an oleic acid desaturase gene, and wherein expression of said transgene reduces oleic acid desaturase activity.

44. (New) The method of claim 24, wherein said one or more progeny plants have a transgene comprising a promoter operably linked to an linoleic acid desaturase gene, and wherein expression of said transgene reduces linoleic acid desaturase activity.